BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: **Modified Estimate for Improvements and Construction of CC Roads at Jain Temple 1st, 2nd, 3rd, 4th, 5th & cross roads & MTS Colony Main road in Dasarahalli ward No:15**

							Est. Cost Rs	40.00	Lakhs
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	Removing B.S.Slabs and stacking etc complete.(Page No.25, I.No.5.32 of KPWD 2016-17)								
	~~1st cross~~ Main Road	Cum	2	45.00	0.90		81.00		
			2	165.00	0.90		297.00		
	2nd cross		2	57.00	0.90		102.60		
	3rd cross		2	67.00	0.90		120.60		
	4th cross		2	74.00	0.90		133.20		
	5th cross		2	79.00	0.90		142.20		
							876.60		
	missings 10% slabs					(-)	87.66		
	Rate: 65.72-15.79%=55.34/sqm						788.94	55.34	43660.00
2	KSRRB 300-1 .Earthwork excavation by manual means in ordinary soil involving an avegage horizontal throw up to 2 meters and an average lift up to 0.5 m, excavated surface leveled and sides neatly dressed the diposed earth to be levelled neatly after breaking of clods complete as per specifications .MORTH/Chapter 3 (Page No-141 I.No-19.1 of KPWD S.R 2016-17)								
	~~1st cross~~ Main Road	Cum	2	45.00	0.60	0.60	32.40		
			2	165.00	0.60	0.60	118.80		
	2nd cross		2	57.00	0.60	0.60	41.04		
	3rd cross		2	67.00	0.60	0.60	48.24		
	4th cross		2	74.00	0.60	0.60	53.28		
	5th cross		2	79.00	0.60	0.60	56.88		
	cross roads		2	248.00	0.50	0.55	136.36		
	Rate: 86.92-15.79%=73.20/cum						487.00	73.20	35648.00
3	Refixing stone slabs of drains and pointing in C.M (1:3).(Page No-25 I.No-5.33 of KPWD S.R 2016-17)								
	Road	Cum	Qty vide item No.1				788.94		
	Rate: 80.56-15.79%=67.84/cum						788.94	67.84	53522.00
4	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials								
	Road	Cum	162	0.90	0.60		87.48		
	Rate: 1600.00-15.79%=1347.36/sqm						87.48	1347.36	117867.00

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
5	**Vaccum de-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of Machinery, screed Vibratory, Power Floater, blade and disc etc., with all lead and lift Page No. 178/ Item No.22.7/ PWD SR 2016-17								
	1st cross	**Sqm**	1	45.00	7.50		337.50		
			1	165.00	6.00		990.00		
	2nd cross		1	57.00	5.20		296.40		
	3rd cross		1	67.00	5.00		335.00		
	4th cross		1	74.00	5.00		370.00		
	5th cross		1	79.00	6.50		513.50		
	Rate: 95.40-15.79%=80.34/sqm						**2842.40**	80.34	**228358.00**
6	Providing **Concrete Groove cutting** for width of 5mm to 10mm and depth 80mm100mm including cost of cutting machine generator & HOM of machinery, including cost of blade coolant etc., including cleaning of groove & Providing sand and hot bitumen fillars, and fillars metal etc., including cost of conveyance of all materials, labour lead and lift charges and all other incidental charges as per drawing and as per specifications. Page No. 178/ Item No.22.8/ PWD SR 2016-17								
	1st cross	**Rmt**	5	7.50			37.50		
			11	6.00			66.00		
	2nd cross		5	5.20			26.00		
	3rd cross		5	5.00			25.00		
	4th cross		5	5.00			25.00		
	5th cross		5	6.50			32.50		
	Rate: 121.90-15.79%=102.65/sqm						**212.00**	102.65	**21762.00**
7	KSRB-2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary, lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in hard soil not exceeding 1.5m. in depth including dressing the bottom and and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) 2.3.5 Page No. 5/ Item No. 2.4/								
	1st cross	**Cum**	1	45.00	0.90	0.30	12.15		
			1	165.00	0.90	0.30	44.55		
	2nd cross		1	57.00	0.90	0.30	15.39		
	3rd cross		1	67.00	0.90	0.30	18.09		
	4th cross		1	74.00	0.90	0.30	19.98		
	5th cross		1	79.00	0.90	0.30	21.33		
	Rate: Tendered rate as per Schedul B						**131.49**	233.51	30704.00
8	KSRB 4-1.3: Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2015-16)								
	1st cross	**Cum**	1	45.00	0.90	0.15	6.08		
			1	165.00	0.90	0.15	22.28		
	2nd cross		1	57.00	0.90	0.15	7.70		

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	3rd cross		1	67.00	0.90	0.15	9.05		
	4th cross		1	74.00	0.90	0.15	9.99		
	5th cross		1	79.00	0.90	0.15	10.67		
	Rate: Tendered rate as per Schedul B						**65.75**	4106.17	**269960.00**
9	KSRRB M600-2. Cement Concrete Pavement :- Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement design mix M30 at 360 kg per cum, with 25mm and down size graded granite metal coarse aggregate at 0.69 cum and fine aggregates @ 0.46 cum with superplastizer at 3lts conforming to IS 9103-1999 reaffirmed 2008. coarse and fine aggregate conforming to IS:383, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing, compound, finishing to lines and grades as per drawing complete as per specifications.(Page No: 173, itNo: 22.2.1)								
	1st cross	Cum	1	45.00	7.00	0.15	47.25		
			1	165.00	5.90	0.15	146.03		
	2nd cross		1	57.00	5.30	0.15	45.32		
	3rd cross		1	67.00	5.00	0.15	50.25		
	4th cross		1	74.00	5.00	0.15	55.50		
	5th cross		1	79.00	5.20	0.15	61.62		
	Rate: Tendered rate as per Schedul B						**405.96**	5622.70	**2282591.00**
10	KSRB 4.9.2: Providing T.M.T. steel reinforcement for R.C.C. work including straightening cutting, bending, hooking, placing in position, lapping and (or welding wherever required, trying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page-17, itNo: 4.46.3)								
	item NO :5	Kgs	1	405.96		35.00	14208.60		
		Tonne				Say	**14.20**	57098.97	**810805.00**
	Basic Rate	65287.00							
	Add Area Weightage 8%	5222.96							
	Total	**70509.96**							
11	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading (Page 136 table) Page No. 133 Item No. 17.1 PWD SR 2015-16								
	Qnty vide itNo:10	Cum					**618.49**		
	Rate: Tendered rate as per Schedul B			Qty upto 125%			**150.19**	63.36	**9516.00**
	Rate: 80.80-15.79%=68.04/cum			Qty above 125%			**468.30**	68.04	**31863.00**
12	QC & Other Charges								**60000.00**

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
13	Miscellaneous and UnforessenCharges								3744.00
								Total	4000000.00

(Rupees.Forty Lakhs Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2016-17
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-15

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore-73.

CE/TS/152/16-17 16-17

ನಂ: CE/TS/152 ದಿನಾಂಕ : 17-03-17

ರೂ. ನಲವತ್ತು ಲಕ್ಷಗಳನ್ನು ಮಾತ್ರ

Rs Forty Lakh Only

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.